ELSEVIER

Journal of Organometallic Chemistry 633 (2001) 195–196

Journal of Organometallic Chemistry

www.elsevier.com/locate/jorganchem

# Contents of Volume 633

**Regular Papers**

$[Cp_2MoH_2]$–silver complexes with pseudohalide ligands
H. Brunner, A. Hollman, B. Nuber, M. Zabel . . . . . 1

Synthesis and characterization of triorganotin(IV) complexes of 5-[(*E*)-2-(aryl)-1-diazenyl]-2-hydroxybenzoic acids. Crystal and molecular structures of a series of triphenyltin 5-[(*E*)-2-(aryl)-1-diazenyl]-2-hydroxybenzoates (aryl = phenyl, 2-methylphenyl, 3-methylphenyl and 4-methoxyphenyl)
T.S. Basu Baul, S. Dhar, S.M. Pyke, E.R.T. Tiekink, E. Rivarola, R. Butcher, F.E. Smith . . . . . 7

Preparation and reactions of monocyclic bis(cyclopentadienyl)titanacyclopentenes and -pentadienes
K. Sato, Y. Nishihara, S. Huo, Z. Xi, T. Takahashi . . . . . 18

Synthesis of a water-soluble carbene complex and its use as catalyst for the synthesis of 2,3-dimethylfuran
İ. Özdemir, B. Yiğit, B. Çetinkaya, D. Ülkü, M.N. Tahir, C. Arıcı . . . . . 27

A Tin-119 NMR investigation of phosphine and phosphine oxide adducts of organotin chlorides
C.H. Yoder, L.A. Margolis, J.M. Horne . . . . . 33

Preparation and properties of the halogenoalkyl compounds $[(\eta^5\text{-}C_5H_5)(CO)_2(PPh_iMe_{3-i})Mo\{(CH_2)_nX\}]$ ($n = 3, 4$; $i = 0–3$; X = Br, I) and $[\{\eta^5\text{-}C_5(CH_3)_5\}(CO)_3Mo\{(CH_2)_nX\}]$ ($n = 3, 4$; X = Br, I) and the crystal structures of $[(\eta^5\text{-}C_5H_5)(CO)_3W\{(CH_2)_5I\}]$,$[(\eta^5\text{-}C_5H_5)\text{-}(CO)_3W\{(CH_2)_3Br\}]$ and $[(\eta^5\text{-}C_5H_5)(CO)_2(PPh_3)Mo\{(CH_2)_3I\}]$
H.B. Friedrich, M.O. Onani, O.Q. Munro . . . . . 39

47-Electron organometallic clusters derived by chemical and electrochemical oxidation of trihydrido(alkylidyne)triruthenium clusters: II. Disproportionation mechanism for decomposition
D.J. Bierdeman, J.B. Keister, D.A. Jelski . . . . . 51

Synthesis, crystal and molecular structure of a binuclear, double-bridged hexacarbonyl tungsten derivative of 4-pyridyldiphenylphosphane
L. Hirsivaara, M. Haukka, J. Pursiainen . . . . . 66

Solid state structure of $P(o\text{-}(CF_3)Ph)_3$ substituted $Rh_2(CO)_4(\mu\text{-}Cl)_2$. Formation of dimeric $[Rh_2(CO)_3(\mu\text{-}Cl)_2\{P(o\text{-}(CF_3)Ph)_3\}]_2$
S. Jääskeläinen, P. Suomalainen, M. Haukka, H. Riihimäki, J.T. Pursiainen, T.A. Pakkanen . . . . . 69

Die Beständigkeit von $(\eta^5\text{-}C_5H_4R)_2Ti(C{\equiv}CR')_2$ in Abhängigkeit von den elektronischen Eigenschaften der Cyclopentadienyl-Liganden. Die Festkörperstruktur von $(\eta^5\text{-}C_5H_5)(\eta^5\text{-}C_5H_4SiMe_3)Ti(C{\equiv}CSiMe_3)_2$
H. Lang, E. Meichel, T. Stein, S. Back, E. Hovestreydt . . . . . 71

Synthesis, crystal structure and catalytic properties of (*p*-cymene)ruthenium(II) azophenol complexes: azophenyl to azophenol conversion by oxygen insertion to a ruthenium–carbon bond
R.K. Rath, M. Nethaji, A.R. Chakravarty . . . . . 79

Synthesis and structure of $[(C_5H_5)Fe(C_5H_4PS_2OCH_2C_6H_4N_3)]^-$, a new phosphonodithioate derivative, and its coordination chemistry with rhodium(I) and nickel(II)
C.M. Thomas, A. Neels, H. Stœckli-Evans, G. Süss-Fink . . . . . 85

Polymorphism and metal–metal interactions on $[Rh(Cl)(CO)_2(Hpz^R)]$ complexes
M.C. Torralba, M. Cano, J.A. Campo, J.V. Heras, E. Pinilla, M.R. Torres . . . . . 91

Unsymmetrical organodiplatinum(II) and organodiplatinum(IV) complexes containing bis(diphenylphosphino)methane as bridging ligand: general approaches for synthesis and characterization by multinuclear NMR studies
M. Rashidi, S. Jamali, M. Hashemi . . . . . 105

Organometallic complexes for nonlinear optics: Part 23. Quadratic and cubic hyperpolarizabilities of acetylide and vinylidene complexes derived from protected and free formylphenylacetylenes
S.K. Hurst, N.T. Lucas, M.P. Cifuentes, M.G. Humphrey, M. Samoc, B. Luther-Davies, I. Asselberghs, R. Van Boxel, A. Persoons 114

Addition of diphenylphosphine to molybdenum alkynyl complexes
H. Adams, M.T. Atkinson, M.J. Morris . . . . . 125

Reactions of lithium silenolates with benzophenone
J. Ohshita, H. Sakurai, S. Masaoka, M. Tamai, A. Kunai, M. Ishikawa . . . . . 131

The reactions of semicarbazide and thiosemicarbazide with ferrocenyl-substituted α,β-enones
T. Klimova, E.I. Klimova, M. Martínez García, J.M. Méndez Stivalet, L. Ruíz Ramírez . . . . . 137

Synthesis, crystal and molecular structures of pyridine adducts of the zinc and cadmium bis-1,2,4-triphospholyl complexes[$M(\eta^1$-$P_3C_2^tBu_2)_2(NC_5H_5)_n$] (M = Zn, $n = 2$; M = Cd, $n = 3$)
M.M. Al-Ktaifani, M.D. Francis, P.B. Hitchcock, J.F. Nixon . . . . . 143

Ring strain in boroxine rings: computational and experimental considerations
J. Beckmann, D. Dakternieks, A. Duthie, A.E.K. Lim, E.R.T. Tiekink . . . . . 149

Synthese des Cyclotetrasiloxans $[(Me)(C_6H_4CH_2NMe_2$-2)-SiO$]_4$ und dessen strukturanalytische Untersuchung
H. Lang, K. Brüning, G. Rheinwald . . . . . 157

β-Cyclomanganated 1,5-diphenylpenta-1,4-dien-3-ones and their reactions with alkynes: routes to $\eta^5$-pyranyl– and $\eta^5$-oxocycloheptadienyl–$Mn(CO)_3$ complexes
W. Tully, L. Main, B.K. Nicholson. . . . . 162

Silica-supported imine palladacycles—recyclable catalysts for the Suzuki reaction?
R.B. Bedford, C.S.J. Cazin, M.B. Hursthouse, M.E. Light, K.J. Pike, S. Wimperis . . . . . 173

Synthesis of transition-metal complexes with heterodifunctional ligands derived of $NH(PPh_2)_2$. Crystal structure of $[(\eta^5$-$C_5Me_5)RhCl$-$\{\eta^2$-*P*,*Se*-$Ph_2PNP(Se)Ph_2\}]\cdot CH_2Cl_2$
M. Valderrama, R. Contreras, P. Muñoz, M. Pilar Lamata, D. Carmona, F.J. Lahoz, S. Elipe, L.A. Oro . . . . . 182

Author Index of Volume 633 . . . . . 189
Subject Index of Volume 633 . . . . . 191
Contents of Volume 633 . . . . . 195